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AMENDMENT(S) TO THE SPECIFICATION:

Kindly replace the abstract with the following amended abstract:

ABSTRACT

A MAC controller for a station in a wireless network, and a method for transmitting packets according to a wireless network MAC protocol. A MAC controller includes a packet scheduler connected to an interface for providing packets for transmission, and transmit hardware connected to a physical layer interface of the station to execute sub-sequences. The transmit hardware includes a buffer to receive from the scheduler and store a set of execution data, and also a signal path to the scheduling engine to provide an indication to the packet scheduler of the outcome of a sub-sequence. The transmit hardware is connected to a receiver to indicate the reception at the wireless station of a data unit that may be a response to a transmission of a sub-sequence.